PERSONAL INFORMATION

André Filipe Dos Reis Antunes

Seixal, Portugal

+351 93 472 30 90

andre.reis.antunes@ist.utl.pt

https://pt.linkedin.com/in/andre-antunes-5890b673

Gender Male | Date of birth 13-04-1994 | Nationality Portuguese

WORK EXPERIENCE

26/06/2013 – 15/07/2014

Mainframe System's Operator

IBM – International Business Machines

- Control data processing tools of banking and insurance
- Developing optimization algorithms for cyclic tasks
- Technical support to different teams involved in system's monitoring
- Monitoring transactional desktop of MBCP
- Most used tools: CICS, DB2, OPC and SDSF
- Programming Languages: COBOL and JCL

Sector: Banking and Insurance

1/07/2014 – 1/07/2016

Scientific Research

IST – Instituto Superior Técnico

- Development of BIM models for integration of intelligent systems for complex buildings such as hospitals, shopping centers and offices
- Development of automation through visual programming to improve interoperability between software and facilitate the adoption of BIM software by companies.
- Resolution of interoperability conflicts between BIM software
- Trainer in 1st and 2nd edition of the course "Introduction to BIM to students"
- Technical Support BIM software to students in development of their Master's Thesis
- Promotion of BIM methodologies will rest the educational community and training stakeholders
- Member of the organization of the second edition of "BIM International Conference 2014 - Challenges to Overcome"
- Development of a BIM Handbook: Building Information Modeling for integration in UC Computer Aided Design

Sector: Building Technologies

15/07/2015 – Present

Scientific Collaborator

CERIS – Instituto de Investigação e Inovação em Engenharia Civil para a Sustentabilidade

- Promoting scientific work within the BIM in Portugal

Sector: Research

15/07/2014 – Present

Former/Explainer

CIRS 8010/8011 – Tutors / Trainers

EDUCATION AND TRAINING

Instituto Superior Técnico – Civil Engineering

Course - Integrated Master in Civil Engineering

Merit Board 2012-2015

September 2012 –
September 2015

Graduation – 15 (0-20)

Main Course Units:
- Computação e Programação : 19 (0-20)
- Química: 19 (0-20)
- Termodiâmica e Estrutura da Matéria: 17 (0-20)
- Desenho Assistido por Computador: 18 (0-20)
- Análise de Estruturas: 16 (0-20)
- Hidrologia e Recursos Hídricos: 17 (0-20)
- Mecânica dos Solos e das Rochas: 14 (0-20)

September 2015 –
September 2017

Master – Structures – 16 (0-20) (Curricular portion)

Main Course Units:

- Tecnologia da construção: 17 (0-20)
- Análise de Estruturas Geotécnicas: 14 (0-20)
- Estruturas Metálicas: 15 (0-20)
- Obras Geotécnicas: 16 (0-20)
- Saneamento: 17 (0-20)
- Organização e Gestão de Obras: 17 (0-20)
- Competências Transversais: 18 (0-20)

October 2014

Tekla Course – 16 hours

LNEC – Laboratório Nacional de Engenharia Civil

November 2014

Archicad Course – 16 hours

LNEC – Laboratório Nacional de Engenharia Civil

September 2016

SAP2000 Course – 21 hours

QUALICAD

September 2016 –
September 2018

Instituto Superior Técnico – Petroleum Engineering

Course - Master in Petroleum Engineering

COMPETÊNCIAS PESSOAIS

Mother tongue

Portuguese

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken Interaction	Spoken Production	
English	B1 / C1	B1 / C1	B1 / C1	B1 / C1	B1 / C1
	CES, CENTRE OF ENGLISH STUDIES, Dublin, B1 / (Cambridge Application Evaluation 2016)				
French	A1 / A2	A1 / A2	A1 / A2	A1 / A2	A1 / A2
	DIPLÔME D'ÉTUDES EN LANGUE FRANÇAISE DELF A1 / SELF-ASSESSMENT (2016)				

Communication skills

Actively participated in two consecutive years of the "Municipal Assembly of Youth" and participated in two international events ("Youth Event") in Germany and Belgium where discussed together with other actors of eleven other countries, measures to "improve the green spaces in our world "and" improving the quality of young people in our world, "aimed at both events a collaboration between the other countries seeking global solutions. These lasted eight days each and took place in the years 2009 and 2010 respectively.

Former trainer of the 1st and 2nd edition of the course "Introduction to BIM to students' held at the Instituto Superior Técnico, provided by FUNDEC.

Organization Skills

The ability to reconcile master's degree in civil engineering with other challenging projects involving private companies and public entities and still maintain satisfactory results demonstrates the candidate's organizational competence.

During primary education have been involved in research projects, tutor and trainer on various topics, present at several technical conferences some of which had the pleasure of exposing my scientific work.

Even during my academic record for consecutive years taught the CU - Technical Drawing program for students of the 1st year of the MSc in Civil Engineering at the invitation of the coordinator of the CU and respective Teachers.

Computer Skills

SO: Windows, Red Hat, Mac OS
Microsoft Word™, Excel™, PowerPoint™, Access™, Project™
Mathworks™ Matlab™
Microsoft Visual Basic (C# and .NET)
Revit™ API
SAP2000™
Autodesk™ AutoCAD™ CIVIL™ 2D/3D, AutoCAD™, Revit™, Robot™ e Inventor™
Archicad, Autodesk™ Revit, Dynamo, Navisworks, Solibri, Tekla BIMsight
Tekla Structures
Other BIM software

Driver's License

Yes - B/B1

Other Info

Student Member nº69493 of the Order of Engineers

Publications

REAL TIME DATA VISUALIZATION OVER BIM MODELS
IT4ENERGY
27 April 2015

A BIM-BASED SOLUTION TO SUPPORT EARNED VALUE MANAGEMENT IN CONSTRUCTION
41st IAHS WORLD CONGRESS Sustainability and Innovation for the Future
13-16 September 2016, Albufeira, Algarve

INTERFACE BIM PARA A GESTÃO DE INSTALAÇÕES
1º Portuguese Congress of Building Information Modelling
23-24 November 2016, Universidade do Minho, Guimarães

BIM NO APOIO Á GESTÃO DA CONSTRUÇÃO
1º Portuguese Congress of Building Information Modelling
23-24 November 2016, Universidade do Minho, Guimarães

BUILDING INFORMATION MODELLING: CONCEITOS BASE E INTRODUÇÃO À MODELAÇÃO
This document is especially geared for students 1st year of the Master course of study in Civil Engineering from UC CAD - Computer Aided Design.

Projects

PROJECT 3I BUILDINGS - INTELLIGENT, INTERACTIVE AND IMMERSIVE BUILDINGS
Start: March 2014
End: September 2015
3i Buildings is a brand new QREN's project concerning building technologies and artificial intelligence. The research team gathers people from Siemens Portugal, ICIST (Instituto Superior Técnico, IST-UL) and UNIDEMI (Faculdade de Ciências e Tecnologia, FCT-UNL).

Annexes

Diplomas and Certificates